

**Remarks**

Claims 1-25 are pending in the application. Claims 1-4 have been withdrawn from consideration pursuant to a restriction requirement by the Examiner. Claims 5-25 stand rejected.

Claims 5-8 were rejected under 35 USC 102(e) as being anticipated by Yamashiroya (US 6,470,425). The Applicant respectfully traverses. Independent claim 5 recites, among other things, "building and storing *instruction segments* from an output of [a] segment builder" (emphasis added). Yamashiroya simply cannot meet this recitation, because Yamashiroya relates to a *memory* cache, while the claimed invention relates to an *instruction* cache. Accordingly, Yamashiroya contains no suggestion of any operations relating to instructions. Therefore, claim 5 is allowable over Yamashiroya. Moreover, since they include the recitations of claim 5 by dependence thereon, claims 6-8 are similarly allowable over claim 5 for at least the reasons discussed in connection with claim 5. Withdrawal of the rejection of claims 5-8 as anticipated by Yamashiroya is therefore respectfully requested.

Claims 9-25 were rejected under 35 USC 103(a) as being unpatentable over Yamashiroya in view of Chauvel et al. (US 6,681,297) ("Chauvel").

Claims 9 and 10 depend on claim 5 and therefore include its features. Claim 5 has been demonstrated to be allowable over Yamashiroya as discussed above. Chauvel does not remedy deficiencies in Yamashiroya with respect to claim 5, for at least the reason that Chauvel, like Yamashiroya, relates to a memory cache and not to an instruction cache as in the claimed invention. Therefore, any suggestion of "building and storing instruction segments from an output of [a] segment builder" as recited in claim 5 is absent from Chauvel. Accordingly, claims 9 and 10 are allowable over Yamashiroya and Chauvel for at least the reasons discussed in connection with claim 5.

Independent claims 11 and 16 have been amended to recite an instruction cache and accordingly are allowable over Yamashiroya and Chauvel along lines discussed above. Similarly, independent claim 21 has been amended to recite an access filter coupled to an instruction cache. Accordingly, claims 11, 16 and

21 are allowable over Yamashiroya and Chauvel. Moreover, the claims dependent on claims 11, 16 and 21 are likewise allowable over Yamashiroya and Chauvel for at least the reasons discussed in connection with claims 11, 16 and 21.

In view of the foregoing, withdrawal of the rejection of claims 9-25 as being unpatentable over Yamashiroya and Chauvel is respectfully requested.

In light of the above discussion, Applicant respectfully submits that the present application is in all aspects in allowable condition, and earnestly solicits favorable reconsideration and early issuance of a Notice of Allowance.

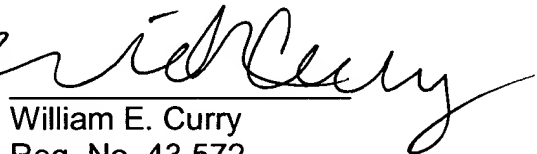
The Examiner is invited to contact the undersigned at (202) 220-4323 to discuss any matter concerning this application. The Office is authorized to charge any fees related to this communication to Deposit Account No. 11-0600.

Respectfully submitted,

Dated:

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